

Index to volume 94

Author index

A

- Adenwalla ST, Kronman JH, Attarzadeh F. Porion and condyle as cephalometric landmarks—an error study. 1988;94:411-5
 Agerbæk N (see Melsen et al). 1988;94:104-16
 Alger DW. Appointment frequency versus treatment time. 1988;94:436-9 (Special article)
 Arends J (see Øgaard et al). 1988;94:68-73
 — (see Øgaard et al). 1988;94:123-8
 Argyropoulos E, Payne G. Techniques for improving orthodontic results in the treatment of missing maxillary lateral incisors: a case report with literature review. 1988;94:150-65 (Case rep.)
 Arridge SR (see Moss et al). 1988;94:469-75
 Attarzadeh F (see Adenwalla et al). 1988;94:411-5

B

- Behm-Mentzel A (see Miethke and Behm-Mentzel). 1988;94:231-9
 Behrents RG (see Harris and Behrents). 1988;94:63-7
 Berger B (see Miralles et al). 1988;94:97-103
 Bertzbach F (see Radianski et al). 1988;94:416-20
 Bishara SE, Chu GW, Jakobsen JR. Stability of the LeFort I one-piece maxillary osteotomy. 1988;94:184-200
 —, Thunyaudom T, Chan D. The effect of temperature change of composites on the bonding strength of orthodontic brackets. 1988;94:440-1 (Clin. corner)
 Boltz KC (see Kao et al). 1988;94:458-68
 Bonham PE, Currier GF, Orr WC, Othman J, Nanda RS. The effect of a modified functional appliance on obstructive sleep apnea. 1988;94:384-92
 Bookstein FL (see Grayson et al). 1988;94:327-37
 Bramble LM. A paradigm of the marketplace. 1988;94:354-5 (Special article)
 Brånemark P-I (see Smalley et al). 1988;94:285-95
 Brantley WA (see Urbaniak et al). 1988;94:311-6
 Buckthal JE, Kusy RP. Effects of cold disinfectants on the mechanical properties and the surface topography of nickel-titanium arch wires. 1988;94:117-22
 Bull R (see Miralles et al). 1988;94:97-103
 Burstone CJ (see Tanne et al). 1988;94:426-31

July, pp. 1-88; August, pp. 89-180; September, pp. 181-270; October, pp. 271-362; November, pp. 363-452; December, pp. 453-542.

C

- Carlson DS, Ellis E III. Maxillomandibular growth 2 years after mandibular advancement surgery with and without suprahyoid myotomy in juvenile *Macaca mulatta*. 1988;94:491-502
 — (see Ellis et al). 1988;94:38-49
 Carvajal R (see Miralles et al). 1988;94:97-103
 Cash RG. When life hands you lemons, make lemonade! 1988;94:169-70 (Letter)
 Chan D (see Bishara et al). 1988;94:440-1 (Clin. corner)
 Chu GW (see Bishara et al). 1988;94:184-200
 Collins MK, Sinclair PM. The local use of vitamin D to increase the rate of orthodontic tooth movement. 1988;94:278-84
 Cote EF. The crystallizing professionalism. 1988;94:525-6 (Viewpoint)
 Currier GF (see Bonham et al). 1988;94:384-92
 Cutting C (see Grayson et al). 1988;94:327-37

D

- Dewel BF. The Association's current logo and traditional seal: AAO emblems, symbols, and concepts. 1988;94:181-3 (Special article)
 Dung DJ, Smith RJ. Cephalometric and clinical diagnoses of open bite tendency. 1988;94:484-90

E

- Ellis E III, Reynolds S, Carlson DS. Stability of the mandible following advancement: a comparison of three postsurgical fixation techniques. 1988;94:38-49
 — (see Carlson and Ellis). 1988;94:491-502
 Ericson S, Kurol J. Resorption of maxillary lateral incisors caused by ectopic eruption of the canines: a clinical and radiographic analysis of predisposing factors. 1988;94:503-13
 Eriksen J (see Melsen et al). 1988;94:104-16
 Eustaquio R, Garner LD, Moore BK. Comparative tensile strengths of brackets bonded to porcelain with orthodontic adhesive and porcelain repair systems. 1988;94:421-5

F

- Farnum B. The time value of money and orthodontic billing procedures. 1988;94:166-7 (Special article)

- Fisher JC. An American Board of Orthodontics case report. 1988;94:1-9 (Case rep.)
- Forsberg C-M. Tooth size, space, and crowding in relation to eruption or impaction of third molars. 1988;94:57-62
- Freeman RS. Mandibular cervical gear to gain or regain arch length. 1988;94:21-4 (Special article)
- . Mandibular second molar problems. 1988;94:19-21 (Special article)
- . Unpredictability of third molar eruption. 1988;94:24-5 (Special article)

G

- Garner LD (see Eustaquio et al). 1988;94:421-5
- Goorhuis J (see Meng et al). 1988;94:317-26
- Grayson B, Cutting C, Bookstein FL, Kim H, McCarthy JG. The three-dimensional cephalogram: theory, technique, and clinical application. 1988;94:327-37
- Grindrod SR (see Moss et al). 1988;94:469-75
- Grusd H. Classification of overbite. 1988;94:264-5 (Letter)

H

- Harris EF, Behrents RG. The intrinsic stability of Class I molar relationship: a longitudinal study of untreated cases. 1988;94:63-7
- Henningsson G, Isberg A. Influence of tonsils on velopharyngeal movements in children with craniofacial anomalies and hypernasality. 1988;94:253-61
- Hocevar RA. Face frame anchorage for closing spaces by protraction—a solution for missing teeth. 1988;94:516-24 (Special article)
- , Vincent HF. Indirect versus direct bonding: bond strength and failure location. 1988;94:367-71
- Hohl TH (see Smalley et al). 1988;94:285-95
- Howe RP (see McNamara and Howe). 1988;94:142-9 (Clin. corner)

I

- Isberg A (see Henningsson and Isberg). 1988;94:253-61

J

- Jäger A (see Radianski et al). 1988;94:416-20
- Jakobsen JR (see Bishara et al). 1988;94:184-200
- James D (see Moss et al). 1988;94:469-75
- Järvinen S. Relation of the Wits appraisal to the ANB angle: a statistical appraisal. 1988;94:432-5
- Johnston WM (see Kao et al). 1988;94:458-68

K

- Kao EC, Boltz KC, Johnston WM. Direct bonding of orthodontic brackets to porcelain veneer laminates. 1988;94:458-68
- Kapila S (see Meng et al). 1988;94:317-26
- Karibe M (see Miura et al). 1988;94:89-96
- Kesling PC. Expanding the horizons of the edgewise arch wire slot. 1988;94:26-37
- Kim H (see Grayson et al). 1988;94:327-37
- Kinch AP, Taylor H, Wartier R, Oliver RG, Newcombe RG. A

- clinical trial comparing the failure rates of directly bonded brackets using etch times of 15 or 60 seconds. 1988;94:476-83
- Klapper L (see Sandstrom et al). 1988;94:296-302
- Koenig HA (see Tanne et al). 1988;94:426-31
- Kokich VG (see Smalley et al). 1988;94:285-95
- Kraus SL (see Milidonis et al). 1988;94:240-4
- Kronman JH (see Adenwalla et al). 1988;94:411-5
- Kuijpers-Jagtman AM (see Wagemans et al). 1988;94:129-41 (Rev. article)
- Kurol J (see Ericson and Kurol). 1988;94:503-13
- Kusy RP (see Buckthal and Kusy). 1988;94:117-22

L

- Ledoux WR (see Smith et al). 1988;94:245-52
- Levens P. In re: TMJ—a growing concern. 1988;94:80-1 (Letter)
- Lewis EA, Ogle RE, Sorensen SE, Zysik DA. Clinical and laboratory evaluation of visible light-cured denture base resins and their application to orthodontics. 1988;94:207-15
- Linney AD (see Moss et al). 1988;94:469-75
- Lucchesi MV, Wood RE, Nortje CJ. Suitability of the panoramic radiograph for assessment of mesiodistal angulation of teeth in the buccal segments of the mandible. 1988;94:303-10

M

- Mamandras AH. Linear changes of the maxillary and mandibular lips. 1988;94:405-10
- Manns A (see Miralles et al). 1988;94:97-103
- Marsters JC. More on general practitioners and orthodontics. 1988;94:264 (Letter)
- Matasa CG. Not all appliances are recreated equal . . . 1988;94:168-9 (Letter)
- McCarthy JG (see Grayson et al). 1988;94:327-37
- McInnes-Ledoux P (see Smith et al). 1988;94:245-52
- McNamara JA. Fabrication of the acrylic splint Herbst appliance. 1988;94:10-8 (Clin. corner)
- , Howe RP. Clinical management of the acrylic splint Herbst appliance. 1988;94:142-9 (Clin. corner)
- Melsen B, Agerbæk N, Eriksen J, Terp S. New attachment through periodontal treatment and orthodontic intrusion. 1988;94:104-16
- Meng HP, Goorhuis J, Kapila S, Nanda RS. Growth changes in the nasal profile from 7 to 18 years of age. 1988;94:317-26
- Mietheke R-R, Behm-Mentzel A. Correlations between lower incisor crowding and lower incisor position and lateral craniofacial morphology. 1988;94:231-9
- Milidonis MK, Widmer CG, Segal RL, Kraus SL. Surface intraoral genioglossus EMG recording technique for kinesiologic studies. 1988;94:240-4
- Miralles R, Berger B, Bull R, Manns A, Carvajal R. Influence of the activator on electromyographic activity of mandibular elevator muscles. 1988;94:97-103
- Miura F, Mogi M, Ohura Y, Karibe M. The super-elastic Japanese NiTi alloy wire for use in orthodontics. Part III: studies on the Japanese NiTi alloy coil springs. 1988;94:89-96
- Mogi M (see Miura et al). 1988;94:89-96
- Moore BK (see Eustaquio et al). 1988;94:421-5
- Moss JP, Grindrod SR, Linney AD, Arridge SR, James D. A com-

- puter system for the interactive planning and prediction of maxillofacial surgery. 1988;94:469-75
Murphy NC. Orthodontics and periodontics. 1988;94:264 (Letter)

N

- Nainar SMH. Artificial intelligence and its relevance in the craniofacial context. 1988;94:442 (Viewpoint)
Nanda RS (see Bonham et al). 1988;94:384-92
— (see Meng et al). 1988;94:317-26
Newcombe RG (see Kinch et al). 1988;94:476-83
Nortjé CJ (see Lucchesi et al). 1988;94:303-10

O

- O'Brien KD, Watts DC, Read MJF. Residual debris and bond strength—Is there a relationship? 1988;94:222-30
Ødegaard J, Segner D. Shear bond strength of metal brackets compared with a new ceramic bracket. 1988;94:201-6
Øgaard B, Rølla G, Arends J. Orthodontic appliances and enamel demineralization. Part 1: lesion development. 1988;94:68-73
—, —, —, ten Cate JM. Orthodontic appliances and enamel demineralization. Part 2: prevention and treatment of lesions. 1988;94:123-8
Ogle RE (see Lewis et al). 1988;94:207-15
Ohura Y (see Miura et al). 1988;94:89-96
Oliver RG (see Kinch et al). 1988;94:476-83
Orr WC (see Bonham et al). 1988;94:384-92
Othman J (see Bonham et al). 1988;94:384-92
Owen AH III. Unexpected TMJ responses to functional jaw orthopedic therapy. 1988;94:338-49 (Clin. corner)

P

- Pancherz H (see Winnberg et al). 1988;94:393-404
Papaconstantinou S (see Sandstrom et al). 1988;94:296-302
Paskow H. A second letter to the editor. 1988;94:263-4 (Letter)
Payne G (see Argyropoulos and Payne). 1988;94:150-65 (Case rep.)
Pearson LE, Stickel FR. Maxillary impaction and advancement reduction genioplasty. 1988;94:363-6 (Case rep.)
Perlow J. Re: Changes in mandibular anterior alignment. 1988;94:445-6 (Letter)
Phillips C (see Turvey et al). 1988;94:372-83
Ponitz PV. Increasing intrusion of anterior teeth. 1988;94:514-5 (Clin. corner)
Post AC (see Urbaniak et al). 1988;94:311-6
Proffit WR (see Turvey et al). 1988;94:372-83
Pruhs RJ (see Urbaniak et al). 1988;94:311-6

R

- Radianski RJ, Jäger A, Schweska R, Bertzbach F. Plaque accumulations caused by interdental stripping. 1988;94:416-20
Radzic D. Dental crowding and its relationship to mesiodistal crown diameters and arch dimensions. 1988;94:50-6
Read MJF (see O'Brien et al). 1988;94:222-30
Reynolds S (see Ellis et al). 1988;94:38-49
Rølla G (see Øgaard et al). 1988;94:68-73
— (see Øgaard et al). 1988;94:123-8

- Runge ME, Sadowsky C. Class II, Division 1 vertical pattern. 1988;94:271-7 (Case rep.)

S

- Sadowsky C (see Runge and Sadowsky). 1988;94:271-7 (Case rep.)
Sandstrom RA, Klapper L, Papaconstantinou S. Expansion of the lower arch concurrent with rapid maxillary expansion. 1988;94:296-302
Savage RA. The specialty of orthodontics. 1988;94:443 (Letter)
Schultz C. Temperature-activated wires. 1988;94:444-5 (Letter)
Schweska R (see Radianski et al). 1988;94:416-20
Segal RL (see Milidonis et al). 1988;94:240-4
Segner D (see Ødegaard and Segner). 1988;94:201-6
Shapiro PA (see Smalley et al). 1988;94:285-95
Sherman SL, Woods M, Nanda RS, Currier GF. The longitudinal effects of growth on the Wits appraisal (1988;83:429-36). 1988;94:178 (Correction)
Sinclair PM (see Collins and Sinclair). 1988;94:278-84
Singer J. Cephalometric findings. 1988;94:443-4 (Letter)
Smalley WM, Shapiro PA, Hohl TH, Kokich VG, Bränemark P-I. Osseointegrated titanium implants for maxillofacial protraction in monkeys. 1988;94:285-95
Smith GA, McInnes-Ledoux P, Ledoux WR, Weinberg R. Orthodontic bonding to porcelain—bond strength and refinishing. 1988;94:245-52
Smith RJ. General practitioners and orthodontics: reply to Howard. 1988;94:169 (Letter)
— (see Dung and Smith). 1988;94:484-90
Snyder DE. An American Board of Orthodontics case report. 1988;94:453-7 (Case rep.)
—, Cephalometric findings. 1988;94:444 (Letter reply)
Sorensen SE (see Lewis et al). 1988;94:207-15
Stickel FR (see Pearson and Stickel). 1988;94:363-6 (Case rep.)

T

- Tanne K, Koenig HA, Burstone CJ. Moment to force ratios and the center of rotation. 1988;94:426-31
Taylor H (see Kinch et al). 1988;94:476-83
ten Cate JM (see Øgaard et al). 1988;94:123-8
Terp S (see Melsen et al). 1988;94:104-16
Thunyaudom T (see Bishara et al). 1988;94:440-1 (Clin. corner)
Timms DJ, Trenouth MJ. A quantified comparison of craniofacial form with nasal respiratory function. 1988;94:216-21
Trenouth MJ (see Timms and Trenouth). 1988;94:216-21
Turvey TA, Phillips C, Zaytoun HS Jr, Proffit WR. Simultaneous superior repositioning of the maxilla and mandibular advancement: a report on stability. 1988;94:372-83

U

- Urbaniak JA, Brantley WA, Pruhs RJ, Zussman RL, Post AC. Effects of appliance size, arch wire diameter, and alloy composition on the in vitro force delivery of the quad-helix appliance. 1988;94:311-6

V

- Vallie FW. Re: Crossroads: acceptance or rejection of functional jaw orthopedics. 1988;94:170-2 (Letter)
van de Velde J-P (see Wagemans et al). 1988;94:129-41 (Rev. article)

- Van Sickels JE. Re: A retrospective study of relapse in rigidly fixated sagittal split/osteotomies—contributing factors. 1988;94:447 (Letter reply)
- Vig PS. Orthodontics—guilty until proved innocent: How do we plead? or What kind of orthodontics may we practice? 1988;94:74-8 (Viewpoint)
- Vincent HF (see Hocevar and Vincent). 1988;94:367-71

W

- Wagemans PAHM, van de Velde J-P, Kuijpers-Jagtman AM. Sutures and forces: a review. 1988;94:129-41 (Rev. article)
- Wartier R (see Kinch et al). 1988;94:476-83
- Watts DC (see O'Brien et al). 1988;94:222-30
- Weinberg R (see Smith et al). 1988;94:245-52
- Westbrook M, White LW. Search for orthodontic assistant personality profile. 1988;94:350-3 (Special article)
- Westesson P-L (see Winnberg et al). 1988;94:393-404

- White LW (see Westbrook and White). 1988;94:350-3 (Special article)
- Widmer CG (see Milidonis et al). 1988;94:240-4
- Winnberg A, Pancherz H, Westesson P-L. Head posture and hyo-mandibular function in man: a synchronized electromyographic and videofluorographic study of the open-close-clench cycle. 1988;94:393-404
- Wood RE (see Lucchesi et al). 1988;94:303-10
- Woods MG. Re: A retrospective study of relapse in rigidly fixated sagittal split/osteotomies—contributing factors. 1988;94:446-7 (Letter)

Z

- Zaytoun HS Jr (see Turvey et al). 1988;94:372-83
- Zussman RL (see Urbaniak et al). 1988;94:311-6
- Zysik DA (see Lewis et al). 1988;94:207-15

Subject index

A

Abstracts

Abstracts. 1988;94:84-5; 173-8; 267-8; 449-51; 527-9

Acid etching

A clinical trial comparing the failure rates of directly bonded brackets using etch times of 15 or 60 seconds (Kinch et al). 1988;94:476-83

Acrylic resins

Fabrication of the acrylic splint Herbst appliance (McNamara). 1988;94:10-8 (Clin. corner)

Activator appliance

Influence of the activator on electromyographic activity of mandibular elevator muscles (Miralles et al). 1988;94:97-103

Adhesives

Comparative tensile strengths of brackets bonded to porcelain with orthodontic adhesive and porcelain repair systems (Eustaquio et al). 1988;94:421-5

Residual debris and bond strength—Is there a relationship? (O'Brien et al). 1988;94:222-30

Shear bond strength of metal brackets compared with a new ceramic bracket (Ødegaard and Segner). 1988;94:201-6

Advertising

The crystallizing professionalism (Cote). 1988;94:525-6 (Viewpoint)

Airway resistance

A quantified comparison of craniofacial form with nasal respiratory function (Timms and Trenouth). 1988;94:216-21

Alloys

Effects of appliance size, arch wire diameter, and alloy composition on the in vitro force delivery of the quad-helix appliance (Urbanak et al). 1988;94:311-6

Effects of cold disinfectants on the mechanical properties and the surface topography of nickel-titanium arch wires (Buckthal and Kusy). 1988;94:117-22

The super-elastic Japanese NiTi alloy wire for use in orthodontics. Part III: studies on the Japanese NiTi alloy coil springs (Miura et al). 1988;94:89-96

American Association of Orthodontics

The Association's current logo and traditional seal: AAO emblems, symbols, and concepts (Dewel). 1988;94:181-3 (Special article)

American Board of Orthodontics

American Board of Orthodontics. 1988;94:79; 262

Animal models; see Models, biological

Appointments and schedules

Appointment frequency versus treatment time (Alger). 1988;94:436-9 (Special article)

July, pp. 1-88; August, pp. 89-180; September, pp. 181-270; October, pp. 271-362; November, pp. 363-452; December, pp. 453-542.

Arch wire; see Orthodontic wires

Artificial intelligence

Artificial intelligence and its relevance in the craniofacial context (Nainar). 1988;94:442 (Viewpoint)

Assistants; see Dental assistants

B

Begg technique

Expanding the horizons of the edgewise arch wire slot (Kesling). 1988;94:26-37

Bonding

A clinical trial comparing the failure rates of directly bonded brackets using etch times of 15 or 60 seconds (Kinch et al). 1988;94:476-83

Comparative tensile strengths of brackets bonded to porcelain with orthodontic adhesive and porcelain repair systems (Eustaquio et al). 1988;94:421-5

Direct bonding of orthodontic brackets to porcelain veneer laminates (Kao et al). 1988;94:458-68

The effect of temperature change of composites on the bonding strength of orthodontic brackets (Bishara et al). 1988;94:440-1 (Clin. corner)

Indirect versus direct bonding: bond strength and failure location (Hocevar and Vincent). 1988;94:367-71

Orthodontic bonding to porcelain—bond strength and refinishing (Smith et al). 1988;94:245-52

Residual debris and bond strength—Is there a relationship? (O'Brien et al). 1988;94:222-30

Shear bond strength of metal brackets compared with a new ceramic bracket (Ødegaard and Segner). 1988;94:201-6

Bone loss, periodontal; see Bone resorption

Bone resorption

An American Board of Orthodontics case report (Fisher). 1988;94:1-9 (Case rep.)

Braces; see Orthodontic appliances

Brackets; see Orthodontic appliances

C

Calcium fluoride

Orthodontic appliances and enamel demineralization. Part 2: prevention and treatment of lesions (Øgaard et al). 1988;94:123-8

Canine tooth

Expansion of the lower arch concurrent with rapid maxillary expansion (Sandstrom et al). 1988;94:296-302

Resorption of maxillary lateral incisors caused by ectopic eruption of the canines: a clinical and radiographic analysis of predisposing factors (Ericson and Kurol). 1988;94:503-13

Caries

Orthodontic appliances and enamel demineralization. Part 1: lesion development (Øgaard et al). 1988;94:68-73

Caries—Cont'd

Orthodontic appliances and enamel demineralization. Part 2: prevention and treatment of lesions (Øgaard et al). 1988;94:123-8

Case reports

Case reports. 1988;94:1-9; 150-65; 271-7; 363-6; 453-7

Cephalography; see Cephalometry**Cephalometry**

Artificial intelligence and its relevance in the craniofacial context (Nainar). 1988;94:442 (Viewpoint)

Cephalometric and clinical diagnoses of open bite tendency (Dung and Smith). 1988;94:484-90

Porion and condyle as cephalometric landmarks—an error study (Adenwalla et al). 1988;94:411-5

Relation of the Wits appraisal to the ANB angle: a statistical appraisal (Järvinen). 1988;94:432-5

The three-dimensional cephalogram: theory, technique, and clinical application (Grayson et al). 1988;94:327-37

Ceramics

A paradigm of the marketplace (Bramble). 1988;94:354-5 (Special article)

Shear bond strength of metal brackets compared with a new ceramic bracket (Ødegaard and Segner). 1988;94:201-6

Clinician's corner

Clinician's corner. 1988;94:10-8; 142-9; 338-49; 440-1; 514-5

Computers

Artificial intelligence and its relevance in the craniofacial context (Nainar). 1988;94:442 (Viewpoint)

A computer system for the interactive planning and prediction of maxillofacial surgery (Moss et al). 1988;94:469-75

Correction

Board eligibility of program directors of orthodontic graduate departments (1988;93:352-3). 1988;94:81

The longitudinal effects of growth on the Wits appraisal (Sherman et al) (1988;93:429-36). 1988;94:178

Cost benefit analysis

Orthodontics—guilty until proved innocent: How do we plead? or What kind of orthodontics may we practice? (Vig). 1988;94:74-8 (Viewpoint)

Cranial sutures

Sutures and forces: a review (Wagemans et al). 1988;94:129-41 (Rev. article)

Craniofacial anomalies; see Facial bones, abnormalities**Craniometry**

Correlations between lower incisor crowding and lower incisor position and lateral craniofacial morphology (Miethke and Behm-Mentel). 1988;94:231-9

A quantified comparison of craniofacial form with nasal respiratory function (Timms and Trenouth). 1988;94:216-21

Cuspid; see Canine tooth**D****Dental alloys; see Alloys****Dental arch**

Dental crowding and its relationship to mesiodistal crown diameters and arch dimensions (Radzic). 1988;94:50-6

Expansion of the lower arch concurrent with rapid maxillary expansion (Sandstrom et al). 1988;94:296-302

Dental assistants

Search for orthodontic assistant personality profile (Westbrook and White). 1988;94:350-3 (Special article)

Dental caries; see Caries**Dental enamel; see Enamel****Dental implantation; see Implantation****Dental plaque; see Plaque****Dental porcelain; see Porcelain****Dental veneers; see Veneers****Dentition, abnormalities**

Face frame anchorage for closing spaces by protraction—a solution for missing teeth (Hoevar). 1988;94:516-24 (Special article)

Techniques for improving orthodontic results in the treatment of missing maxillary lateral incisors: a case report with literature review (Argyropoulos and Payne). 1988;94:150-65 (Case rep.)

Denture bases

Clinical and laboratory evaluation of visible light-cured denture base resins and their application to orthodontics (Lewis et al). 1988;94:207-15

Disinfectants

Effects of cold disinfectants on the mechanical properties and the surface topography of nickel-titanium arch wires (Buckthal and Kusy). 1988;94:117-22

E**Economics, dental**

Orthodontics—guilty until proved innocent: How do we plead? or What kind of orthodontics may we practice? (Vig). 1988;94:74-8 (Viewpoint)

Ectopic eruption; see Tooth eruption, ectopic**Education, dental, continuing**

Orthodontics—guilty until proved innocent: How do we plead? or What kind of orthodontics may we practice? (Vig). 1988;94:74-8 (Viewpoint)

Electromyography

Head posture and hyo-mandibular function in man: a synchronized electromyographic and videofluorographic study of the open-close-clench cycle (Winnberg et al). 1988;94:393-404

Influence of the activator on electromyographic activity of mandibular elevator muscles (Miralles et al). 1988;94:97-103

Surface intraoral genioglossus EMG recording technique for kinematic studies (Milidonis et al). 1988;94:240-4

Emblems and insignia

The Association's current logo and traditional seal: AAO emblems, symbols, and concepts (Dewel). 1988;94:181-3 (Special article)

Enamel

Orthodontic appliances and enamel demineralization. Part 1: lesion development (Øgaard et al). 1988;94:68-73

Orthodontic appliances and enamel demineralization. Part 2: prevention and treatment of lesions (Øgaard et al). 1988;94:123-8

Plaque accumulations caused by interdental stripping (Radianski et al). 1988;94:416-20

Etching, acid; see Acid etching, dental**Ethnic groups**

Dental crowding and its relationship to mesiodistal crown diameters and arch dimensions (Radzic). 1988;94:50-6

Extraoral traction appliances

Face frame anchorage for closing spaces by protraction—a solution for missing teeth (Hoevar). 1988;94:516-24 (Special article)

Mandibular cervical gear to gain or regain arch length (Freeman). 1988;94:21-4 (Special article)

F**Facial bones, abnormalities**

Influence of tonsils on velopharyngeal movements in children with

craniofacial anomalies and hypernasality (Henningsson and Isberg). 1988;94:253-61

Fees and charges

The time value of money and orthodontic billing procedures (Farnum). 1988;94:166-7 (Special article)

Fluorides, topical

Orthodontic appliances and enamel demineralization. Part 2: prevention and treatment of lesions (Øgaard et al). 1988;94:123-8

G

Genioglossus muscle

Surface intraoral genioglossus EMG recording technique for kinesthetic studies (Milidonis et al). 1988;94:240-4

Government

Orthodontics—guilty until proved innocent: How do we plead? or What kind of orthodontics may we practice? (Vig). 1988;94:74-8 (Viewpoint)

Growth

Growth changes in the nasal profile from 7 to 18 years of age (Meng et al). 1988;94:317-26

Linear changes of the maxillary and mandibular lips (Mamandras). 1988;94:405-10

Maxillomandibular growth 2 years after mandibular advancement surgery with and without suprahyoid myotomy in juvenile *Macaca mulatta* (Carlson and Ellis). 1988;94:491-502

H

Head

Head posture and hyo-mandibular function in man: a synchronized electromyographic and videofluorographic study of the open-close-clench cycle (Winnberg et al). 1988;94:393-404

Headgear; see Extraoral traction devices

Hyoid bone

Head posture and hyo-mandibular function in man: a synchronized electromyographic and videofluorographic study of the open-close-clench cycle (Winnberg et al). 1988;94:393-404

Hypernasality; see Voice

I

Impaction; see Tooth, impacted

Implantation

Osseointegrated titanium implants for maxillofacial protraction in monkeys (Smalley et al). 1988;94:285-95

In memoriam

Clarence David Honig (1917-1988). 1988;94:448

Milton J Meyers, DMD. 1988;94:266

Incisor

Correlations between lower incisor crowding and lower incisor position and lateral craniofacial morphology (Miethke and Behm-Mentzel). 1988;94:231-9

Resorption of maxillary lateral incisors caused by ectopic eruption of the canines: a clinical and radiographic analysis of predisposing factors (Ericson and Kurol). 1988;94:503-13

Techniques for improving orthodontic results in the treatment of missing maxillary lateral incisors: a case report with literature review (Argyropoulos and Payne). 1988;94:150-65 (Case rep.)

Interdental stripping

Plaque accumulations caused by interdental stripping (Radianski et al). 1988;94:416-20

K

Kinesics

Surface intraoral genioglossus EMG recording technique for kinesthetic studies (Milidonis et al). 1988;94:240-4

L

LeFort I osteotomy; see Osteotomy

Legislation, dental

Orthodontics—guilty until proved innocent: How do we plead? or What kind of orthodontics may we practice? (Vig). 1988;94:74-8 (Viewpoint)

Letters to the editor

Cephalometric findings (Singer) (Letter); (Snyder) (Reply). 1988;94:443-4

Classification of overbite (Grusd). 1988;94:264-5

General practitioners and orthodontics: reply to Howard (Smith). 1988;94:169

More on general practitioners and orthodontics (Marsters). 1988;94:264

Not all appliances are recreated equal . . . (Matasa). 1988;94:168-9

Orthodontics and periodontics (Murphy). 1988;94:264

Re: Changes in mandibular anterior alignment (Perlow). 1988;94:445-6

Re: Crossroads: acceptance or rejection of functional jaw orthopedics (Vallie). 1988;94:170-2

Re: A retrospective study of relapse in rigidly fixated sagittal splint/osteotomies—contributing factors (Woods) (Letter); (Van Sickels) (Reply). 1988;94:446-7

Re: TMJ—a growing concern. 1988;94:80-1

A second letter to the editor (Paskow). 1988;94:263-4

The specialty of orthodontics (Savage). 1988;94:443

Temperature-activated wires (Schultz). 1988;94:444-5

When life hands you lemons, make lemonade! (Cash). 1988;94:169-70

Lip

Linear changes of the maxillary and mandibular lips (Mamandras). 1988;94:405-10

M

Malocclusion; see Malocclusion, Angle Class I; Malocclusion, Angle Class II; Malocclusion, Angle Class III

Cephalometric and clinical diagnoses of open bite tendency (Dung and Smith). 1988;94:484-90

Correlations between lower incisor crowding and lower incisor position and lateral craniofacial morphology (Miethke and Behm-Mentzel). 1988;94:231-9

Dental crowding and its relationship to mesiodistal crown diameters and arch dimensions (Radnizic). 1988;94:50-6

Face frame anchorage for closing spaces by protraction—a solution for missing teeth (Hoevar). 1988;94:516-24 (Special article)

Relation of the Wits appraisal to the ANB angle: a statistical appraisal (Järvinen). 1988;94:432-5

Tooth size, space, and crowding in relation to eruption or impaction of third molars (Forsberg). 1988;94:57-62

Malocclusion, Angle Class I

An American Board of Orthodontics case report (Fisher). 1988;94:1-9 (Case rep.)

The intrinsic stability of Class I molar relationship: a longitudinal study of untreated cases (Harris and Behrents). 1988;94:63-7

Malocclusion, Angle Class II

An American Board of Orthodontics case report (Snyder). 1988;94:453-7 (Case rep.)

Class II, Division I vertical pattern (Runge and Sadowsky). 1988;94:271-7 (Case rep.)

Influence of the activator on electromyographic activity of mandibular elevator muscles (Miralles et al). 1988;94:97-103

The intrinsic stability of Class I molar relationship: a longitudinal study of untreated cases (Harris and Behrents). 1988;94:63-7

Maxillary impaction and advancement reduction genioplasty (Pearson and Stickel). 1988;94:363-6 (Case rep.)

Malocclusion, Angle Class III

The intrinsic stability of Class I molar relationship: a longitudinal study of untreated cases (Harris and Behrents). 1988;94:63-7

Mandible; see also Mandible, surgery

Head posture and hyo-mandibular function in man: a synchronized electromyographic and videofluorographic study of the open-close-clench cycle (Winnberg et al). 1988;94:393-404

Influence of the activator on electromyographic activity of mandibular elevator muscles (Miralles et al). 1988;94:97-103

Suitability of the panoramic radiograph for assessment of mesiodistal angulation of teeth in the buccal segments of the mandible (Lucchesi et al). 1988;94:303-10

Mandible, surgery

Maxillomandibular growth 2 years after mandibular advancement surgery with and without suprahyoid myotomy in juvenile *Macaca mulatta* (Carlson and Ellis). 1988;94:491-502

Simultaneous superior repositioning of the maxilla and mandibular advancement: a report on stability (Turvey et al). 1988;94:372-83

Stability of the mandible following advancement: a comparison of three postsurgical fixation techniques (Ellis et al). 1988;94:38-49

Mandibular condyle

Porion and condyle as cephalometric landmarks—an error study (Adenwalla et al). 1988;94:411-5

Manometry

A quantified comparison of craniofacial form with nasal respiratory function (Timms and Trenouth). 1988;94:216-21

Masseter muscle

Head posture and hyo-mandibular function in man: a synchronized electromyographic and videofluorographic study of the open-close-clench cycle (Winnberg et al). 1988;94:393-404

Influence of the activator on electromyographic activity of mandibular elevator muscles (Miralles et al). 1988;94:97-103

Maxilla; see also Maxilla, surgery

Expansion of the lower arch concurrent with rapid maxillary expansion (Sandstrom et al). 1988;94:296-302

Maxillomandibular growth 2 years after mandibular advancement surgery with and without suprahyoid myotomy in juvenile *Macaca mulatta* (Carlson and Ellis). 1988;94:491-502

Maxilla, surgery

A computer system for the interactive planning and prediction of maxillofacial surgery (Moss et al). 1988;94:469-75

Maxillary impaction and advancement reduction genioplasty (Pearson and Stickel). 1988;94:363-6 (Case rep.)

Simultaneous superior repositioning of the maxilla and mandibular advancement: a report on stability (Turvey et al). 1988;94:372-83

Stability of the LeFort I one-piece maxillary osteotomy (Bishara et al). 1988;94:184-200

Maxillary osteotomy; see Osteotomy**Metals**

Shear bond strength of metal brackets compared with a new ceramic bracket (Ødegaard and Segner). 1988;94:201-6

Missing teeth; see Dentition, abnormalities**Models, biological**

The local use of vitamin D to increase the rate of orthodontic tooth movement (Collins and Sinclair). 1988;94:278-84

Maxillomandibular growth 2 years after mandibular advancement surgery with and without suprahyoid myotomy in juvenile *Macaca mulatta* (Carlson and Ellis). 1988;94:491-502

New attachment through periodontal treatment and orthodontic intrusion (Melsen et al). 1988;94:104-16

Osseointegrated titanium implants for maxillofacial protraction in monkeys (Smalley et al). 1988;94:285-95

Stability of the mandible following advancement: a comparison of three postsurgical fixation techniques (Ellis et al). 1988;94:38-49

Molar; see also Molar, third

Expansion of the lower arch concurrent with rapid maxillary expansion (Sandstrom et al). 1988;94:296-302

Mandibular second molar problems (Freeman). 1988;94:19-21 (Special article)

Molar, third

Tooth size, space, and crowding in relation to eruption or impaction of third molars (Forsberg). 1988;94:57-62

Unpredictability of third molar eruption (Freeman). 1988;94:24-5 (Special article)

N

Nickel

Effects of cold disinfectants on the mechanical properties and the surface topography of nickel-titanium arch wires (Buckthal and Kusy). 1988;94:117-22

The super-elastic Japanese NiTi alloy wire for use in orthodontics. Part III: studies on the Japanese NiTi alloy coil springs (Miura et al). 1988;94:89-96

Nose

Growth changes in the nasal profile from 7 to 18 years of age (Meng et al). 1988;94:317-26

O

Open bite; see Malocclusion**Oral hygiene**

New attachment through periodontal treatment and orthodontic intrusion (Melsen et al). 1988;94:104-16

Orthodontic appliances; see also Orthodontic appliances, corrective; Orthodontic appliances, removable

A clinical trial comparing the failure rates of directly bonded brackets using etch times of 15 or 60 seconds (Kinch et al). 1988;94:476-83

Comparative tensile strengths of brackets bonded to porcelain with orthodontic adhesive and porcelain repair systems (Eustaquio et al). 1988;94:421-5

The crystallizing professionalism (Cote). 1988;94:525-6 (Viewpoint)

Direct bonding of orthodontic brackets to porcelain veneer laminates (Kao et al). 1988;94:458-68

The effect of temperature change of composites on the bonding strength of orthodontic brackets (Bishara et al). 1988;94:440-1 (Clin. corner)

Expanding the horizons of the edgewise arch wire slot (Kesling). 1988;94:26-37

Fabrication of the acrylic splint Herbst appliance (McNamara). 1988;94:10-8 (Clin. corner)

Indirect versus direct bonding: bond strength and failure location (Hocevar and Vincent). 1988;94:367-71

Orthodontic appliances and enamel demineralization. Part 1: lesion development (Øgaard et al). 1988;94:68-73

Orthodontic appliances and enamel demineralization. Part 2: prevention and treatment of lesions (Øgaard et al). 1988;94:123-8

A paradigm of the marketplace (Bramble). 1988;94:354-5 (Special article)

Residual debris and bond strength—Is there a relationship? (O'Brien et al). 1988;94:222-30

Shear bond strength of metal brackets compared with a new ceramic bracket (Ødegaard and Segner). 1988;94:201-6

Orthodontic appliances, corrective

Appointment frequency versus treatment time (Alger). 1988;94:436-9 (Special article)

Clinical management of the acrylic splint Herbst appliance (McNamara and Howe). 1988;94:142-9 (Clin. corner)

Effects of appliance size, arch wire diameter, and alloy composition on the in vitro force delivery of the quad-helix appliance (Urbanak et al). 1988;94:311-6

Increasing intrusion of anterior teeth (Ponitz). 1988;94:514-5 (Clin. corner)

Mandibular second molar problems (Freeman). 1988;94:19-21 (Special article)

New attachment through periodontal treatment and orthodontic intrusion (Melsen et al). 1988;94:104-16

Unexpected TMJ responses to functional jaw orthopedic therapy (Owen). 1988;94:338-49 (Clin. corner)

Orthodontic appliances, removable

An American Board of Orthodontics case report (Fisher). 1988;94:1-9 (Case rep.)

The effect of a modified functional appliance on obstructive sleep apnea (Bonham et al). 1988;94:384-92

Influence of the activator on electromyographic activity of mandibular elevator muscles (Miralles et al). 1988;94:97-103

Orthodontic wires

Effects of appliance size, arch wire diameter, and alloy composition on the in vitro force delivery of the quad-helix appliance (Urbanak et al). 1988;94:311-6

Effects of cold disinfectants on the mechanical properties and the surface topography of nickel-titanium arch wires (Buckthal and Kusy). 1988;94:117-22

Expanding the horizons of the edgewise arch wire slot (Kesling). 1988;94:26-37

Fabrication of the acrylic splint Herbst appliance (McNamara). 1988;94:10-8 (Clin. corner)

Mandibular second molar problems (Freeman). 1988;94:19-21 (Special article)

The super-elastic Japanese NiTi alloy wire for use in orthodontics. Part III: studies on the Japanese NiTi alloy coil springs (Miura et al). 1988;94:89-96

Osteotomy

Stability of the LeFort I one-piece maxillary osteotomy (Bishara et al). 1988;94:184-200

P

Panoramic radiography; see Radiography, panoramic

Periodontal diseases, surgery

New attachment through periodontal treatment and orthodontic intrusion (Melsen et al). 1988;94:104-16

Personality

Search for orthodontic assistant personality profile (Westbrook and White). 1988;94:350-3 (Special article)

Pharynx

Influence of tonsils on velopharyngeal movements in children with craniofacial anomalies and hypernasality (Henningsson and Isberg). 1988;94:253-61

Philosophy, dental

Orthodontics—guilty until proved innocent: How do we plead? or What kind of orthodontics may we practice? (Vig). 1988;94:74-8 (Viewpoint)

Phonation

Influence of tonsils on velopharyngeal movements in children with craniofacial anomalies and hypernasality (Henningsson and Isberg). 1988;94:253-61

Plaque

Plaque accumulations caused by interdental stripping (Radianski et al). 1988;94:416-20

Porcelain

Comparative tensile strengths of brackets bonded to porcelain with orthodontic adhesive and porcelain repair systems (Eustaquio et al). 1988;94:421-5

Direct bonding of orthodontic brackets to porcelain veneer laminates (Kao et al). 1988;94:458-68

Orthodontic bonding to porcelain—bond strength and refinishing (Smith et al). 1988;94:245-52

Porion

Porion and condyle as cephalometric landmarks—an error study (Adenwalla et al). 1988;94:411-5

Posture

Head posture and hyo-mandibular function in man: a synchronized electromyographic and videofluorographic study of the open-close-clench cycle (Winnberg et al). 1988;94:393-404

R

Radiography, methods

Head posture and hyo-mandibular function in man: a synchronized electromyographic and videofluorographic study of the open-close-clench cycle (Winnberg et al). 1988;94:393-404

Radiography, panoramic

Suitability of the panoramic radiograph for assessment of mesiodistal angulation of teeth in the buccal segments of the mandible (Lucchesi et al). 1988;94:303-10

Resins, synthetic; see also Acrylic resins

Clinical and laboratory evaluation of visible light-cured denture base resins and their application to orthodontics (Lewis et al). 1988;94:207-15

Review article

Review article. 1988;94:129-41

Reviews

Reviews. 1988;94:82-3; 267; 356-7; 449

Rhinomanometry; *see* Manometry

Root; *see* Tooth root

S

Sleep apnea syndromes

The effect of a modified functional appliance on obstructive sleep apnea (Bonham et al). 1988;94:384-92

Sodium fluoride

Orthodontic appliances and enamel demineralization. Part 2: prevention and treatment of lesions (Øgaard et al). 1988;94:123-8

Special articles

Special articles. 1988;94:19-25; 166-7; 181-3; 350-5; 436-9; 516-24

Speech articulation tests

Influence of tonsils on velopharyngeal movements in children with craniofacial anomalies and hypernasality (Henningsson and Isberg). 1988;94:253-61

Stripping, interdental; *see* Interdental stripping

Suprahyoid muscle

Head posture and hyo-mandibular function in man: a synchronized electromyographic and videofluorographic study of the open-close-clench cycle (Winnberg et al). 1988;94:393-404

T

Temperature

The effect of temperature change of composites on the bonding strength of orthodontic brackets (Bishara et al). 1988;94:440-1 (Clin. corner)

Temporomandibular joint diseases

Unexpected TMJ responses to functional jaw orthopedic therapy (Owen). 1988;94:338-49 (Clin. corner)

Tensile strength

Comparative tensile strengths of brackets bonded to porcelain with orthodontic adhesive and porcelain repair systems (Eustaquio et al). 1988;94:421-5

The effect of temperature change of composites on the bonding strength of orthodontic brackets (Bishara et al). 1988;94:440-1 (Clin. corner)

Indirect versus direct bonding: bond strength and failure location (Hocevar and Vincent). 1988;94:367-71

Orthodontic bonding to porcelain—bond strength and refinishing (Smith et al). 1988;94:245-52

Residual debris and bond strength—Is there a relationship? (O'Brien et al). 1988;94:222-30

Shear bond strength of metal brackets compared with a new ceramic bracket (Ødegaard and Segner). 1988;94:201-6

Titanium

Effects of cold disinfectants on the mechanical properties and the surface topography of nickel-titanium arch wires (Buckthal and Kusy). 1988;94:117-22

Osseointegrated titanium implants for maxillofacial protraction in monkeys (Smalley et al). 1988;94:285-95

The super-elastic Japanese NiTi alloy wire for use in orthodontics. Part III: studies on the Japanese NiTi alloy coil springs (Miura et al). 1988;94:89-96

Tonsil

Influence of tonsils on velopharyngeal movements in children with craniofacial anomalies and hypernasality (Henningsson and Isberg). 1988;94:253-61

Tooth, impacted

Maxillary impaction and advancement reduction genioplasty (Pearson and Stickel). 1988;94:363-6 (Case rep.)

Tooth size, space, and crowding in relation to eruption or impaction of third molars (Forsberg). 1988;94:57-62

Tooth crowding; *see* Malocclusion

Tooth eruption; *see also* Tooth eruption, ectopic

Tooth size, space, and crowding in relation to eruption or impaction of third molars (Forsberg). 1988;94:57-62

Unpredictability of third molar eruption (Freeman). 1988;94:24-5 (Special article)

Tooth eruption, ectopic

Resorption of maxillary lateral incisors caused by ectopic eruption of the canines: a clinical and radiographic analysis of predisposing factors (Ericson and Kuroi). 1988;94:503-13

Tooth mobility

An American Board of Orthodontics case report (Fisher). 1988;94:1-9 (Case rep.)

Tooth movement, minor

Expanding the horizons of the edgewise arch wire slot (Kesling). 1988;94:26-37

The local use of vitamin D to increase the rate of orthodontic tooth movement (Collins and Sinclair). 1988;94:278-84

Moment to force ratios and the center of rotation (Tanne et al). 1988;94:426-31

Osseointegrated titanium implants for maxillofacial protraction in monkeys (Smalley et al). 1988;94:285-95

Tooth resorption

Resorption of maxillary lateral incisors caused by ectopic eruption of the canines: a clinical and radiographic analysis of predisposing factors (Ericson and Kuroi). 1988;94:503-13

Tooth root

Suitability of the panoramic radiograph for assessment of mesiodistal angulation of teeth in the buccal segments of the mandible (Lucchesi et al). 1988;94:303-10

V

Velopharyngeal insufficiency

Influence of tonsils on velopharyngeal movements in children with craniofacial anomalies and hypernasality (Henningsson and Isberg). 1988;94:253-61

Veneers

Direct bonding of orthodontic brackets to porcelain veneer laminates (Kao et al). 1988;94:458-68

Videofluorography; *see* Radiography, methods

Viewpoint

Viewpoint. 1988;94:74-8; 442; 525-6

Vitamin D

The local use of vitamin D to increase the rate of orthodontic tooth movement (Collins and Sinclair). 1988;94:278-84

Voice

Influence of tonsils on velopharyngeal movements in children with craniofacial anomalies and hypernasality (Henningsson and Isberg). 1988;94:253-61

W

White spots; *see* Caries

Wits appraisal

Relation of the Wits appraisal to the ANB angle: a statistical appraisal (Järvinen). 1988;94:432-5

